

## 1x2 (2x2) Single Mode Broadband Splitter

### Features of our splitter:

- Low PDL
- Low Insertion Loss
- High Directivity
- Stable and Reliable

### Applications for our splitter:

- Optical Communication System
- Optical Testing System
- Optical Fiber Sensor
- Optical Power Distributor

### Specifications:

<b>Specification</b>			<b>Splitting Ratio 50:50</b>	
Parameter		Unit	Premium	A grade
Port Configuration			1x2 or 2x2	
Bandwidth		nm	+/-40	
Insertion Loss	Max.	dB	3.4	3.6
Excess loss	Typ.	dB	0.07	0.1
Uniformity	Max.	dB	0.6	1.0
PDL	Max.	dB	0.1	0.15
Return Loss *	Min.	dB	50	
Operating Temperature		°C	-40 to +85	
Storage Temperature		°C	-50 to +85	
Package Type		mm	S6	Diam. 3x54: for bare fiber
			S8	Diam. 3x70 for 0.9mm loose tube
			M1	10x20x90 for 0.9mm loose tube or 3mm cable

\* >60dB on request for 1x2 structure

<b>Splitting Ratio and Insertion Loss Conversion Table</b>
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Splitting Ratio	Maximum Insertion Loss (dB)			
	Premium		A Grade	
Output Port	Output Port 1	Output Port 2	Output Port 1	Output Port 2
50:50	3.4	3.4	3.6	3.6
60:40	2.5	4.4	2.8	4.8
70:30	1.8	5.6	2.0	6.1
80:20	1.1	7.4	1.3	8.0
90:10	0.6	10.8	0.8	12.0
95:5	0.4	14.6	0.5	18.4
96:4	0.3	16.0	0.4	19.0
97:3	0.3	17.5	0.4	19.5
98:2	0.2	19.0	0.3	20.0
99:1	0.2	21.5	0.3	22.0
99.5:0.5	0.2	23.0	0.3	24.0

**Ordering information:**

- Wavelength: 1625, 1590, 1570, 1550, 1480, 1475, 1310
- Structure: 1x2, 2x2
- Splitting Ratio: 99.5:0.5, 99:1, 98:2, 97:3, 96:4, 95:5, 50:50
- Grade: Premium (P), A grade
- Fiber type: SMF-28
- Pigtail: 250um bare fiber, 0.9mm loose tube, 3mm cable
- Fiber length: 0.5m, 1.0m, 1.5m, 2.0m
- Connector: none, FC/PC, FC/APC, ST, customer's request

**We have unbeatable price for this product.**

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing [sales@o-eland.com](mailto:sales@o-eland.com)